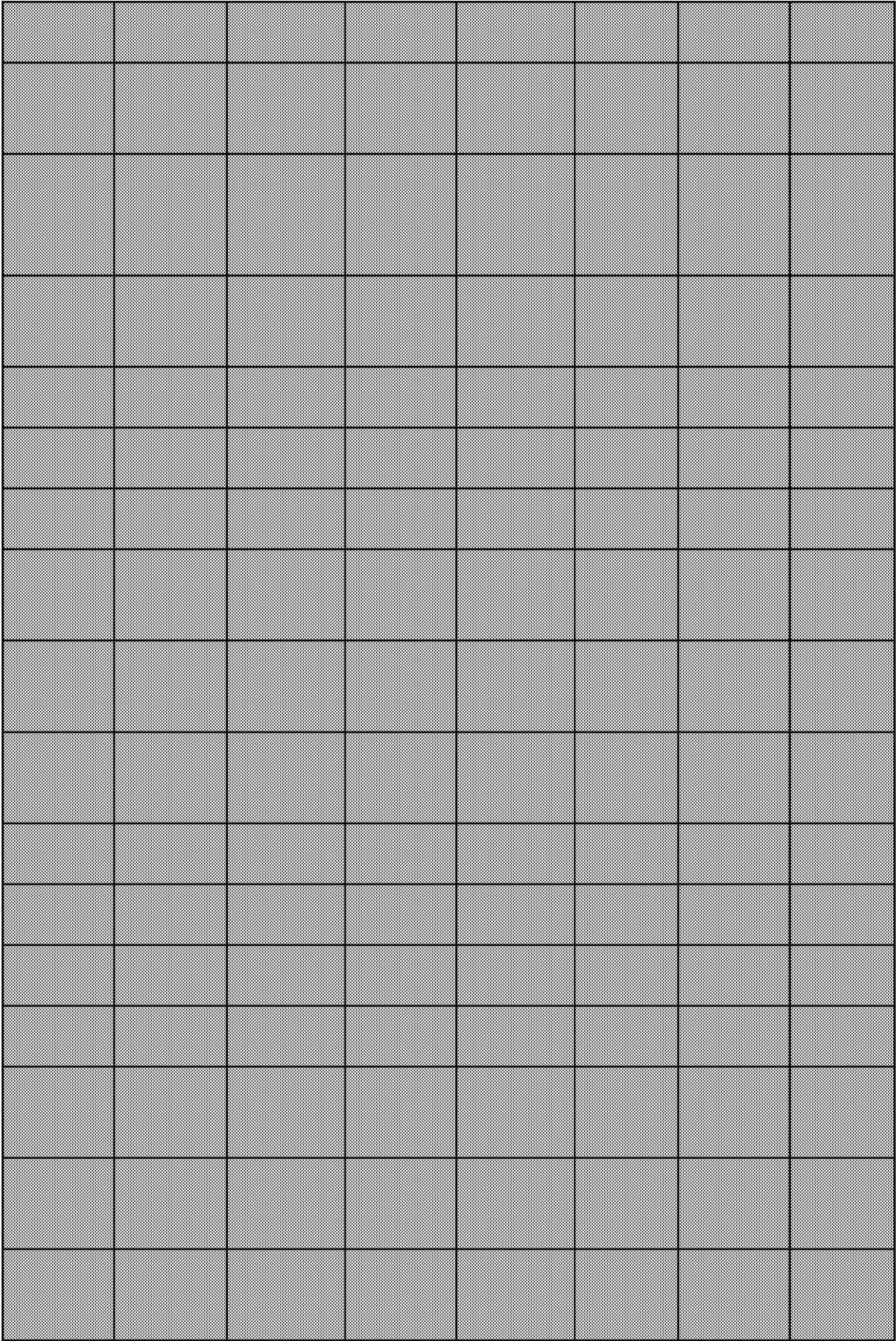


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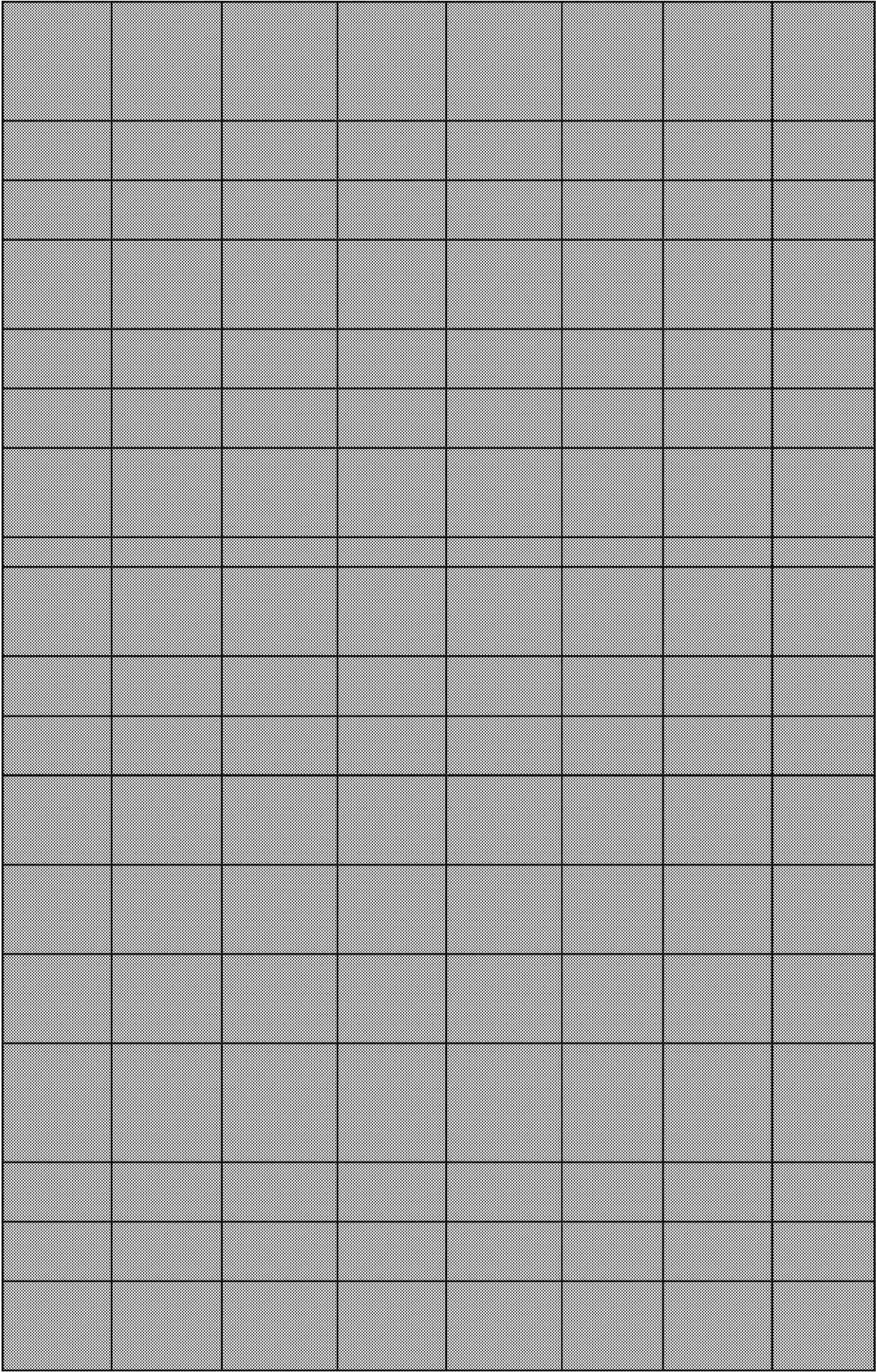
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Mycosphaerella fijiensis causes black leaf streak disease in banana and plantain. This fungus is usually attacked by reactive oxygen species.
The aim of this work was to study the oxidative stress response of Kluyveromyces marxianus to hydrogen peroxide (50 mM).
AIMS: Some indirect evidences indicate a possible correlation between oxidative stress and motion sickness. The aim of this study was to evaluate the effect of motion sickness on oxidative stress.
Fish (Sparus aurata) were intraperitoneally injected with model xenobiotics and several biomarkers of oxidative stress were measured.
Recently progress has been made on O ₂ toxicity and pathology related to numerous environmental contaminants in insects.
High light levels together with Paraquat treatment or exposure to pollutants (e.g. SO ₂) can cause oxidative stress in epiphytic algae.
The content of [alpha]-tocopherol ([alpha]T) in isolated soybean (Glycine max, var Hood) embryonic axes was measured.
We and other researchers verified that excessively produced free radicals by neutrophils induce various diseases such as chronic inflammation.
Azospirillum is a plant growth-promoting rhizobacteria (PGPR) able to enhance the growth of wheat. The aim of this study was to evaluate the effect of Azospirillum on wheat growth.
Catalases are oxidized by singlet oxygen giving rise to more acidic conformers detected in zymograms after electrophoresis.
Manganese superoxide dismutase (MnSOD) is a nuclear encoded mitochondrial matrix enzyme that functions to scavenge superoxide anions.
To determine whether overexpression of antioxidant enzymes in lung epithelial cells prevents damage from oxidant injury.
Gene therapy-mediated overexpression of superoxide dismutases (SOD) appears to be a promising strategy for modulation of oxidative stress.
Chloroplast-targeted overexpression of an Fe superoxide dismutase (SOD) from Arabidopsis thaliana resulted in substantial reduction of oxidative stress.
A poplar hybrid, Populus tremula x Populus alba, was transformed with the bacterial genes for either glutathione reductase or glutathione S-transferase.
To evaluate the effect of over-expressed Mn-superoxide dismutase (MnSOD) on stress resistance in maize, an over-expressed MnSOD gene was introduced into maize.
Pharmacological delivery of nitric oxide (NO) stimulates the cardiac Na ⁽⁺⁾ -K ⁽⁺⁾ pump. However, effects of NO synthesized endogenously are less clear.

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Several isoforms of superoxide dismutase (SOD) with a high isoelectric point (pI) have been identified by isoelectric focus
The heterocystous nitrogen-fixing cyanobacterium, <i>Anabaena</i> sp. strain PCC7120 displayed two superoxide dismutase (S
Nitric oxide and superoxide are free radicals that appear to contribute to the pathogenesis of a number of brain disorder
The role of thyroid hormone [L-3,5,3'-triiodothyronine (T3)] and the thyroid hormone receptor (TR) in regulating growth,
Reactive oxygen species (ROS) have been implicated in the pathogenesis of many clinical disorders such as adult respirat
When paraquat was incubated with mouse brain microsomes in the presence of NADPH, a Nash-reagent-reactive subst
The symbiosis between legumes and rhizobia is characterised by the formation of dinitrogen-fixing root nodules. In natu
NADH was found previously to catalyze the reduction of various ferric complexes and to promote the generation of react
The glutathione peroxidase (GSH-Px)-like reduction of H ₂ O ₂ by the selenoorganic compound 2-phenyl-1,2-benzoisoselen
Oxidative stress responses generated by paraquat (PQ), an herbicide that triggers an oxidative stress reaction in leaves, v
To examine the effect of compound deficiencies in antioxidant defense, we have generated mice (Sod2(+/-)/Gpx1(-/-)) th
Previous research has indicated that oxidants, antioxidants and the intracellular redox state regulate the activities of a va
The efficiency with which beta-carotene protects against oxidative stress in chicken embryo fibroblasts (CEF) at low O ₂ p
The ability of beta-carotene to protect against oxidative stress in vitro was assessed. Primary cultures of chicken embryo
A period of research with Helmut Sies in the 1980s is recalled. Our experiments aimed at an in-depth understanding of m
Human retinal pigment epithelium (RPE) contains two genetically distinct forms of superoxide dismutase (SOD) enzymes
We treated leaves of winter wheat (<i>Triticum aestivum</i> L.) with cold, paraquat, or 3-amino-1,2,4-triazole and compared th
Free radicals generated from metabolism of foreign compounds can have extremely detrimental consequences on cell fu

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